

Masatoshi Ishida

List of Publications by Year in descending order

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104
papers

3,359
citations

136950

32
h-index

175258

52
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111
all docs

111
docs citations

111
times ranked

3150
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable Tetrabenzo-Chichibabin π -Systems Hydrocarbons: Tunable Ground State and Unusual Transition between Their Closed-Shell and Open-Shell Resonance Forms. <i>Journal of the American Chemical Society</i> , 2012, 134, 14513-14525.	13.7	218
2	Pushing Extended π -Quinodimethanes to the Limit: Stable Tetracyano-oligo(N -annulated) Tj ETQq0 0 0 rgBT /Overlock 10 2013, 135, 6363-6371.	13.7	170
3	Donor-Substituted β -Functionalized Porphyrin Dyes on Hierarchically Structured Mesoporous TiO ₂ Spheres. Highly Efficient Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011, 115, 19343-19354.	3.1	130
4	Protonation-coupled redox reactions in planar antiaromatic meso-pentafluorophenyl-substituted o-phenylene-bridged annulated rosarins. <i>Nature Chemistry</i> , 2013, 5, 15-20.	13.6	119
5	A Porphyrin-Related Macrocycle with an Embedded 1,10 π -Phenanthroline Moiety: Fluorescent Magnesium(II) Ion Sensor. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 91-94.	13.8	111
6	A Diradical Approach towards BODIPY-Based Dyes with Intense Near-Infrared Absorption around $\lambda_{max} = 1100$ nm. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2815-2819.	13.8	100
7	Neutral Radical and Singlet Biradical Forms of Meso-Free, -Keto, and -Diketo Hexaphyrins(1.1.1.1.1.1): Effects on Aromaticity and Photophysical Properties. <i>Journal of the American Chemical Society</i> , 2011, 133, 15533-15544.	13.7	95
8	Tetracyanoquaterylene and Tetracyanohexarylenequinodimethanes with Tunable Ground States and Strong Near-Infrared Absorption. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8561-8565.	13.8	94
9	Functionalised tetrathiafulvalene- (TTF-) macrocycles: recent trends in applied supramolecular chemistry. <i>Chemical Society Reviews</i> , 2018, 47, 5614-5645.	38.1	89
10	Tetrathiafulvalene- (TTF-) Derived Oligopyrrolic Macrocycles. <i>Chemical Reviews</i> , 2017, 117, 2641-2710.	47.7	84
11	Cyclo[m]pyridine[n]pyrroles: Hybrid Macrocycles That Display Expanded π -Conjugation upon Protonation. <i>Journal of the American Chemical Society</i> , 2012, 134, 4076-4079.	13.7	76
12	Fully Fused Quinoidal/Aromatic Carbazole Macrocycles with Poly-radical Characters. <i>Journal of the American Chemical Society</i> , 2016, 138, 7782-7790.	13.7	70
13	Porphyrins Fused with Strongly Electron-Donating 1,3-Dithiol-2-ylidene Moieties: Redox Control by Metal Cation Complexation and Anion Binding. <i>Journal of the American Chemical Society</i> , 2013, 135, 10852-10862.	13.7	58
14	A Hybrid Macrocycle with a Pyridine Subunit Displays Aromatic Character upon Uranyl Cation Complexation. <i>Journal of the American Chemical Society</i> , 2014, 136, 4281-4286.	13.7	54
15	Stable π -Radical from a Contracted Doubly π -Confused Hexaphyrin by Double Palladium Metalation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7323-7327.	13.8	53
16	Cyclo[6]pyridine[6]pyrrole: A Dynamic, Twisted Macrocycle with No Meso Bridges. <i>Journal of the American Chemical Society</i> , 2014, 136, 7591-7594.	13.7	50
17	Phenalenyl-fused porphyrins with different ground states. <i>Chemical Science</i> , 2015, 6, 2427-2433.	7.4	50
18	Turning on the biradical state of tetracyano-perylene and quaterylenequinodimethanes by incorporation of additional thiophene rings. <i>Chemical Science</i> , 2014, 5, 3072-3080.	7.4	48

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19	Benzimidazole-embedded N-fused aza-indacenes: synthesis and deprotonation-assisted optical detection of carbon dioxide. <i>Chemical Communications</i> , 2013, 49, 6950.	4.1	46
20	$\hat{\pi}$ -(Ethynylbenzoic acid)-substituted push-pull porphyrins: DSSC dyes prepared by a direct palladium-catalyzed alkynylation reaction. <i>Chemical Communications</i> , 2013, 49, 9164.	4.1	46
21	Bis-Metal Complexes of Doubly N-Confused Dioxohexaphyrins as Potential Near-Infrared-II Photoacoustic Dyes. <i>Journal of the American Chemical Society</i> , 2020, 142, 4429-4437.	13.7	46
22	2-(Naphthalen-1-yl)thiophene as a New Motif for Porphyrinoids: Meso-Fused Carbaporphyrin. <i>Journal of the American Chemical Society</i> , 2016, 138, 4992-4995.	13.7	45
23	Ground-State Copper(III) Stabilized by N-Confused/N-Linked Corroles: Synthesis, Characterization, and Redox Reactivity. <i>Journal of the American Chemical Society</i> , 2018, 140, 6883-6892.	13.7	45
24	Boron Difluoride Complexes of Expanded N-Confused Calix[4]phyrins That Demonstrate Unique Luminescent and Lasing Properties. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12045-12049.	13.8	42
25	Phenothiazine-Bridged Cyclic Porphyrin Dimers as High-Affinity Hosts for Fullerenes and Linear Array of C ₆₀ in Self-Assembled Porphyrin Nanotube. <i>Journal of Organic Chemistry</i> , 2014, 79, 2980-2992.	3.2	41
26	Macrocyclic Transformations from Norrole to Isonorrole and an N-Confused Corrole with a Fused Hexacyclic Ring System Triggered by a Pyrrole Substituent. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3063-3067.	13.8	40
27	Synthesis of a Black Dye with Absorption Capabilities Across the Visible-to-Near-Infrared Region: A MO-Mixing Approach via Heterometal Coordination of Expanded Porphyrinoid. <i>Journal of the American Chemical Society</i> , 2020, 142, 6807-6813.	13.7	40
28	A p-Quinodimethane-Bridged Porphyrin Dimer. <i>Chemistry - A European Journal</i> , 2013, 19, 16814-16824.	3.3	38
29	Dibenzoarsepins: Planarization of π -Electron System in the Lowest Singlet Excited State. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11686-11690.	13.8	38
30	Regioselectively Halogenated Expanded Porphyrinoids as Building Blocks for Constructing Porphyrinoid Heterodyads with Tunable Energy Transfer. <i>Journal of the American Chemical Society</i> , 2019, 141, 5294-5302.	13.7	38
31	$\hat{\pi}$ -Functionalized Push-Pull Porphyrin Sensitizers in Dye-Sensitized Solar Cells: Effect of π -Conjugated Spacers. <i>ChemSusChem</i> , 2015, 8, 2967-2977.	6.8	34
32	Donor-acceptor type A ₂ B ₂ porphyrins: synthesis, energy transfer, computational and electrochemical studies. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 618-638.	6.0	33
33	Doubly N-Confused [36]Octaphyrin(1.1.1.1.1.1.1.1): Isomerization, Bis-Metal Coordination, and Topological Chirality. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14252-14256.	13.8	33
34	Protonation-Induced Formation of a Stable Singlet Biradicaloid Derived from a Modified Sapphyrin Analogue. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5906-5909.	13.8	32
35	Singly and Doubly N-Confused Calix[4]phyrin Organoplatinum(II) Complexes as Near-IR Triplet Sensitizers. <i>Inorganic Chemistry</i> , 2017, 56, 12572-12580.	4.0	32
36	N-Confused Phlorin-Prodigiousin Chimera: meso-Aryl Oxidation and π -Extension Triggered by Peripheral Coordination. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1537-1541.	13.8	32

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37	Synthesis of a Neo-Confused Octaphyrin and the Formation of Its Mononuclear Complexes. <i>Organic Letters</i> , 2015, 17, 4806-4809.	4.6	31
38	Phosphorescent rhenium-dipyrinates: efficient photosensitizers for singlet oxygen generation. <i>Dalton Transactions</i> , 2019, 48, 2467-2478.	3.3	27
39	Doubly N-confused isophlorin: synthesis, structure and copper coordination. <i>Chemical Communications</i> , 2014, 50, 14593-14596.	4.1	26
40	A Diradical Approach towards BODIPY-Based Dyes with Intense Near-Infrared Absorption around $\lambda_{max} = 1100$ nm. <i>Angewandte Chemie</i> , 2016, 128, 2865-2869.	2.0	26
41	Skeletal Rearrangement of Twisted Thia-Norhexaphyrin: Multiply Annulated Polypyrrolic Aromatic Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5925-5929.	13.8	26
42	Long-lived charge-separated states produced in supramolecular complexes between anionic and cationic porphyrins. <i>Chemical Science</i> , 2014, 5, 3888-3896.	7.4	25
43	Formation of Ground State Triplet Diradicals from Annulated Rosarin Derivatives by Triprotonation. <i>Journal of the American Chemical Society</i> , 2015, 137, 9780-9783.	13.7	25
44	Photophysical Analysis of 1,10-Phenanthroline-Embedded Porphyrin Analogues and Their Magnesium(II) Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 14329-14341.	3.3	24
45	N-Confused Porphyrin Metal Complexes with an Axial Pyridine Directly Tethered from an Inner Carbon: A Bioinspired Ligand as a Versatile Platform for Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 203-207.	2.0	24
46	Semiconducting Supramolecular Organic Frameworks Assembled from a Near-Infrared Fluorescent Macrocyclic Probe and Fullerenes. <i>Journal of the American Chemical Society</i> , 2020, 142, 11497-11505.	13.7	24
47	Near-Infrared Phosphorescent Iridium(III) Benzonorrole Complexes Possessing Pyridine-based Axial Ligands. <i>Inorganic Chemistry</i> , 2016, 55, 6223-6230.	4.0	23
48	Expanded N-Confused Phlorin: A Platform for a Multiply Fused Polycyclic Ring System via Oxidation within the Macrocyclic. <i>Journal of the American Chemical Society</i> , 2020, 142, 17195-17205.	13.7	23
49	Fundamental Study on Arsenic(III) Halides (AsX_3 ; X = Br, I) toward the Construction of C_3 -Symmetrical Monodentate Arsenic Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 9587-9593.	4.0	23
50	Spectroscopic and Theoretical Studies of Acid-Base Behaviors of N-Confused Porphyrins: Effects of <i>meso</i> -Aryl Substituents. <i>Journal of Physical Chemistry A</i> , 2015, 119, 1013-1022.	2.5	22
51	Porphyrin/Platinum(II) C^N^N Acetylide Complexes: Synthesis, Photophysical Properties, and Singlet Oxygen Generation. <i>Chemistry - A European Journal</i> , 2016, 22, 4164-4174.	3.3	21
52	Comparative Electrochemical and Photophysical Studies of Tetrathiafulvalene-Annulated Porphyrins and Their Zn^{II} Complexes: The Effect of Metalation and Structural Variation. <i>Chemistry - A European Journal</i> , 2013, 19, 338-349.	3.3	20
53	Rational syntheses of helical π -conjugated oligopyrins with a bipyrrrole linkage: geometry control of bis-copper(μ_2) coordination. <i>Chemical Communications</i> , 2016, 52, 5148-5151.	4.1	20
54	Tautomerism-Induced Cis-Trans Isomerization of Pyridylethenyl N-Confused Porphyrin. <i>Journal of Organic Chemistry</i> , 2017, 82, 8686-8696.	3.2	20

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55	Near-Infrared-Absorbing and -Emitting Dyes: Energy-Gap Engineering of Expanded Porphyrinoids via Metallation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16161-16166.	13.8	20
56	Tripyrrin-armed isosmaragdyrins: synthesis, heterodinuclear coordination, and protonation-triggered helical inversion. <i>Chemical Science</i> , 2020, 11, 2790-2795.	7.4	19
57	Breaking aggregation in a tetrathiafulvalene-fused zinc porphyrin by metal-ligand coordination to form a donor-acceptor hybrid for ultrafast charge separation and charge stabilization. <i>Dalton Transactions</i> , 2015, 44, 359-367.	3.3	18
58	Organometallic Group-11 (Cu ^{III} , Ag ^{III} , Au ^{III}) Complexes of a Doubly N-Confused Porphyrin: An Expanded Imidazole-Structural Motif. <i>Chemistry - A European Journal</i> , 2017, 23, 11375-11384.	3.3	18
59	Synthesis of Helically Extended N-Confused Porphyrin Dimer via meso-Bipyrrole-Bridge with Near-Infrared Absorption Capability. <i>Chemistry - A European Journal</i> , 2020, 26, 13590-13594.	3.3	18
60	Switch-ON Near IR Fluorescent Dye Upon Protonation: Helically Twisted Bis(Boron Difluoride) Complex of Extended Corrorin. <i>Chemistry - A European Journal</i> , 2018, 24, 4628-4634.	3.3	17
61	Near-infrared-induced electron transfer of an uranyl macrocyclic complex without energy transfer to dioxygen. <i>Chemical Communications</i> , 2015, 51, 6757-6760.	4.1	16
62	Bis-Copper(II)-Radical Multi-Heterospin System with Non-Innocent Doubly N-Confused Dioxohexaphyrin(1.1.1.1.0) Ligand. <i>Chemistry - A European Journal</i> , 2017, 23, 15322-15326.	3.3	16
63	Hierarchical Hybrid Metal-Organic Frameworks: Tuning the Visible/Near-Infrared Optical Properties by a Combination of Porphyrin and Its Isomer Units. <i>Inorganic Chemistry</i> , 2019, 58, 4647-4656.	4.0	16
64	N-confused phlorin: a stable dihydroporphyrin isomer containing a confused pyrrole ring. <i>Journal of Porphyrins and Phthalocyanines</i> , 2014, 18, 909-918.	0.8	15
65	Synthesis and anion binding studies of o-phenylenevinylene-bridged tetrapyrrolic macrocycle as an expanded analogue of calix[4]pyrrole. <i>Chemical Communications</i> , 2014, 50, 3753-3756.	4.1	15
66	Intramolecular charge transfer character in tetrathiafulvalene-annulated porphyrinoids: effects of core modification and protonation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8699-8705.	2.8	15
67	Doubly N-Confused [36]Octaphyrin(1.1.1.1.1.1.1): Isomerization, Bis-Metal Coordination, and Topological Chirality. <i>Angewandte Chemie</i> , 2017, 129, 14440-14444.	2.0	15
68	Dibenzoarsepins: Planarization of δ -Electron System in the Lowest Singlet Excited State. <i>Angewandte Chemie</i> , 2019, 131, 11812-11816.	2.0	15
69	Doubly N-Confused Calix[6]phyrin Bis-Organopalladium Complexes: Photostable Triplet Sensitizers for Singlet Oxygen Generation. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1729-1736.	3.3	14
70	NH Tautomerism of N-Confused Porphyrin: Solvent/Substituent Effects and Isomerization Mechanism. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5756-5769.	2.5	14
71	Copper(ii) and nickel(ii) hexafluorophosphate complexes derived from a monoanionic porphyrin analogue: Solvato- and thermochromism of the Ni complexes by spin-interconversion. <i>Dalton Transactions</i> , 2010, 39, 2651.	3.3	13
72	Tetrathiafulvalene-annulated [28]hexaphyrin(1.1.1.1.1.1): a multi-electron donor system subject to conformational control. <i>Chemical Communications</i> , 2013, 49, 8937.	4.1	12

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73	Near-infrared luminescent Sn(IV) complexes of N-confused tetraphenylporphyrin: Effect of axial anion coordination. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015, 19, 361-371.	0.8	12
74	Structural, Photophysical, and Magnetic Circular Dichroism Studies of Three Rigidified meso-Pentafluorophenyl-Substituted Hexaphyrin Analogues. <i>Chemistry - A European Journal</i> , 2017, 23, 6682-6692.	3.3	12
75	Stepwise π -extension of meso-alkylidenyl porphyrins through sequential 1,3-dipolar cycloaddition and redox reactions. <i>Chemical Communications</i> , 2014, 50, 9277-9280.	4.1	11
76	Planar Antiaromatic Core-Modified 24 π Hexaphyrin(1.0.1.0.1.0) and 32 π Octaphyrin(1.0.1.0.1.0.1.0) Bearing Alternate Hybrid Diheterole Units. <i>Chemistry - A European Journal</i> , 2019, 25, 2859-2867.	3.3	11
77	Bis-palladium(II) complex of doubly N-confused octaphyrin(1.1.1.1.1.1.1.1): Möbius aromaticity and chiroptical properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 416-423.	0.8	11
78	Copper 1,19-Diaza-21,24-dicarbacorrole: A Corrole Analogue with an N \rightarrow N Linkage Stabilizes a Ground-State Singlet Organocopper Species. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15897-15901.	13.8	11
79	Supramolecular dimeric structures of pyrazole-containing meso-oxo carbaphlorin analogues. <i>Supramolecular Chemistry</i> , 2017, 29, 8-16.	1.2	10
80	Bis-copper(II) Complex of Triply-Linked Corrole Dimer and Its Dication. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1771-1776.	3.3	10
81	Boron Difluoride Complexes of Expanded N-Confused Calix[n]phyrins That Demonstrate Unique Luminescent and Lasing Properties. <i>Angewandte Chemie</i> , 2016, 128, 12224-12228.	2.0	9
82	Stereoretentive Ligand Exchange Reactions of N-Fused Porphyrin Ruthenium(II) Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 13842-13851.	4.0	8
83	Ruthenium-Confused Porphyrins: Selective Reactivity for Ambident β -Heteroatom-Substituted Pyridines Serving as Axial Ligands. <i>ChemPlusChem</i> , 2019, 84, 603-607.	2.8	8
84	Synthesis, Photophysical Properties and Computational Studies of β -Substituted Porphyrin Dyads. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2015-2028.	3.3	8
85	Tungsten(VI) Complex of N-Fused Porphyrin Absorbing Near-Infrared Light beyond 1000 nm. <i>Chemistry - an Asian Journal</i> , 2020, 15, 748-752.	3.3	8
86	Regioselectively β^1 - and β^2 -alkynylated BODIPY dyes via gold(I)-catalyzed direct C-H functionalization and their photophysical properties. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 587-595.	2.2	8
87	Induced Correspondence of a Local π -Aromatic Sextet in Heteroannulenes: Synthesis and Characterization. <i>Chemistry - A European Journal</i> , 2016, 22, 5504-5508.	3.3	6
88	Macrocyclic Transformations from Norrole to Isonorrole and an N-Confused Corrole with a Fused Hexacyclic Ring System Triggered by a Pyrrole Substituent. <i>Angewandte Chemie</i> , 2016, 128, 3115-3119.	2.0	5
89	Two Discrete RuCp* (Cp* = Pentamethylcyclopentadienyl) Binding Modes of N-Confused Porphyrins: Peripheral π Complex and Sitting Atop Ruthenocenophane Complex by Skeletal Transformation. <i>Chemistry - A European Journal</i> , 2018, 24, 6742-6746.	3.3	5
90	Near-Infrared-Absorbing and -Emitting Dyes: Energy-Gap Engineering of Expanded Porphyrinoids via Metallation. <i>Angewandte Chemie</i> , 2020, 132, 16295-16300.	2.0	5

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91	Iridium Complex of N-Fused Bilatrienone: Oxidative Cleavage of N-Fused Porphyrin Induced by Iridium-Cyclooctadiene Complexation. <i>Chemistry - A European Journal</i> , 2021, 27, 8268-8272.	3.3	5
92	Zirconium-based Metal-Organic Frameworks with N-Confused Porphyrins: Synthesis, Structures, and Optical Properties. <i>Chemistry Letters</i> , 2017, 46, 1230-1232.	1.3	5
93	Skeletal Rearrangement of Twisted Thia-Norhexaphyrin: Multiply Annulated Polypyrrolic Aromatic Macrocycles. <i>Angewandte Chemie</i> , 2019, 131, 5986-5990.	2.0	4
94	Synthesis and Characterization of N-Fused Porphyrin Rhodium Complex with an Isomerized Cyclooctadiene Ligand. <i>Chemistry Letters</i> , 2021, 50, 1707-1709.	1.3	4
95	Benzo-Tetrathiafulvalene-(BTTF) Annulated Expanded Porphyrins: Potential Next-Generation Multielectron Reservoirs. <i>Chemistry - A European Journal</i> , 2021, 27, 4466-4472.	3.3	3
96	Chiral Interlocked Corrole Dimers Directly Linked at Inner Carbon Atoms of Confused Pyrrole Rings. <i>Chemistry - an Asian Journal</i> , 2021, 16, 743-747.	3.3	3
97	Metal complexes of 5,10,15-tris(pentafluorophenyl)-20-pyrrolyl N-confused porphyrin and its meso-pyrrolyl-bridged dimers: Synthesis and optical properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2021, 25, 447-455.	0.8	3
98	N-Confused Phlorin-Prodigiosin Chimera: meso-Aryl Oxidation and Extension Triggered by Peripheral Coordination. <i>Angewandte Chemie</i> , 2020, 132, 1553-1557.	2.0	2
99	Ruthenium(II) N-confused porphyrin 1/4-oxo-bridged dimers: acid-responsive molecular rotors. <i>RSC Advances</i> , 2021, 11, 24575-24579.	3.6	2
100	Solvent-Controlled Self-Assembled Oligopyrrolic Receptor. <i>Molecules</i> , 2021, 26, 1771.	3.8	2
101	Novel π -Conjugated Systems Based on N-Confused Porphyrinoids. , 2015, , 201-221.		1
102	Copper 1,19-Diaza-21,24-dicarbacorrole: A Corrole Analogue with an N ⁺ N Linkage Stabilizes a Ground-State Singlet Organocopper Species. <i>Angewandte Chemie</i> , 2020, 132, 16031-16035.	2.0	0
103	Lewis acid-catalyzed formation of triply S-confused hexaphyrin (1.0.1.0.1.0) and its structure-property correlations. <i>Journal of Porphyrins and Phthalocyanines</i> , 2021, 25, 1143-1151.	0.8	0
104	Synthesis of Near-Infrared Light-responsive Dyes Based on N-Confused Porphyrinoids. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2022, 80, 139-148.	0.1	0